



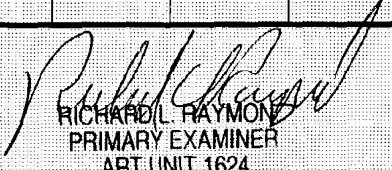


|  |                    |                |     |
|--|--------------------|----------------|-----|
| <b>Issue Classification</b><br> | Application No.    | Applicant(s)   |     |
|  | 09/872,731         | HAYWARD ET AL. |     |
|  | Examiner           | Art Unit       |     |
|  | Richard L. Raymond | 1624           | 1/2 |

| ISSUE CLASSIFICATION  |   |          |   |  |                                   |       |      |   |        |                        |     |
|---|---|----------|---|--|-----------------------------------|-------|------|---|--------|------------------------|-----|
| ORIGINAL  |   |          |   | CROSS REFERENCE(S)   |                                   |       |      |   |        |                        |     |
| CLASS   |   | SUBCLASS |   | CLASS  | SUBCLASS (ONE SUBCLASS PER BLOCK) |       |      |   |        |                        |     |
| 514   |   | 465      |   | 514  | 23                                | 25    | 218  | 233.8   | 253.11 | 254.11                 | 316 |
| INTERNATIONAL CLASSIFICATION  |   |          |   | 514  | 321                               | 338   | 397  | 414   | 422    |                        |     |
| A   | 6 | 1        | K | 31/36  | 536                               | 16.8  | 17.9 | 18.1  |        |                        |     |
| C   | 0 | 7        | D | 317/66   | 540                               | 575   |      |   |        |                        |     |
|   |   |          |   | /  | 544                               | 148   | 364  | 377   |        |                        |     |
|   |   |          |   | /  | 546                               | 187   | 197  | 283.7   |        |                        |     |
|   |   |          |   | /  | 548                               | 311.7 | 454  | 526   |        |                        |     |
| (Assistant Examiner) (Date)<br> 8/27/04<br>(Legal Instruments Examiner) (Date) |   |          |   | <br>RICHARD L. RAYMOND<br>PRIMARY EXAMINER<br>ART UNIT 1624 (Date) |                                   |       |      | Total Claims Allowed: 8<br><br>O.G. Print Claim(s)<br>1 |        | O.G. Print Fig.<br>--- |     |

|   |          |       |          |                              |          |                               |          |                                 |          |
|---|----------|-------|----------|------------------------------|----------|-------------------------------|----------|---------------------------------|----------|
| <input checked="" type="checkbox"/> Claims renumbered in the same order as presented by applicant |          |       |          | <input type="checkbox"/> CPA |          | <input type="checkbox"/> T.D. |          | <input type="checkbox"/> R.1.47 |          |
| Final   | Original | Final | Original | Final                        | Original | Final                         | Original | Final                           | Original |
|   | 1        |       | 31       |                              | 61       |                               | 121      |                                 | 181      |
|   | 2        |       | 32       |                              | 62       |                               | 122      |                                 | 182      |
|   | 3        |       | 33       |                              | 63       |                               | 123      |                                 | 183      |
|   | 4        |       | 34       |                              | 64       |                               | 124      |                                 | 184      |
|   | 5        |       | 35       |                              | 65       |                               | 125      |                                 | 185      |
|   | 6        |       | 36       |                              | 66       |                               | 126      |                                 | 186      |
|   | 7        |       | 37       |                              | 67       |                               | 127      |                                 | 187      |
|   | 8        |       | 38       |                              | 68       |                               | 128      |                                 | 188      |
|   | 9        |       | 39       |                              | 69       |                               | 129      |                                 | 189      |
|   | 10       |       | 40       |                              | 70       |                               | 130      |                                 | 190      |
|   | 11       |       | 41       |                              | 71       |                               | 131      |                                 | 191      |
|   | 12       |       | 42       |                              | 72       |                               | 132      |                                 | 192      |
|   | 13       |       | 43       |                              | 73       |                               | 133      |                                 | 193      |
|   | 14       |       | 44       |                              | 74       |                               | 134      |                                 | 194      |
|   | 15       |       | 45       |                              | 75       |                               | 135      |                                 | 195      |
|   | 16       |       | 46       |                              | 76       |                               | 136      |                                 | 196      |
|   | 17       |       | 47       |                              | 77       |                               | 137      |                                 | 197      |
|   | 18       |       | 48       |                              | 78       |                               | 138      |                                 | 198      |
|   | 19       |       | 49       |                              | 79       |                               | 139      |                                 | 199      |
|   | 20       |       | 50       |                              | 80       |                               | 140      |                                 | 200      |
|   | 21       |       | 51       |                              | 81       |                               | 141      |                                 | 201      |
|   | 22       |       | 52       |                              | 82       |                               | 142      |                                 | 202      |
|   | 23       |       | 53       |                              | 83       |                               | 143      |                                 | 203      |
|   | 24       |       | 54       |                              | 84       |                               | 144      |                                 | 204      |
|   | 25       |       | 55       |                              | 85       |                               | 145      |                                 | 205      |
|   | 26       |       | 56       |                              | 86       |                               | 146      |                                 | 206      |
|   | 27       |       | 57       |                              | 87       |                               | 147      |                                 | 207      |
|   | 28       |       | 58       |                              | 88       |                               | 148      |                                 | 208      |
|   | 29       |       | 59       |                              | 89       |                               | 149      |                                 | 209      |
|   | 30       |       | 60       |                              | 90       |                               | 150      |                                 | 210      |

|  |                    |                |     |
|--|--------------------|----------------|-----|
| <b>Issue Classification</b><br> | Application No.    | Applicant(s)   |     |
|  | 09/872,731         | HAYWARD ET AL. |     |
|  | Examiner           | Art Unit       |     |
|  | Richard L. Raymond | 1624           | 2/2 |

| ISSUE CLASSIFICATION                |          |  |                                   |  |  |                          |  |                       |  |
|-------------------------------------|----------|--|-----------------------------------|--|--|--------------------------|--|-----------------------|--|
| ORIGINAL                            |          | CROSS REFERENCE(S)   |                                   |  |  |                          |  |                       |  |
| CLASS                               | SUBCLASS | CLASS  | SUBCLASS (ONE SUBCLASS PER BLOCK) |  |  |                          |  |                       |  |
| 514                                 | 218      | 549  | 435                               |  |  |                          |  |                       |  |
| INTERNATIONAL CLASSIFICATION        |          |  |                                   |  |  |                          |  |                       |  |
|                                     | /        |  |                                   |  |  |                          |  |                       |  |
|                                     | /        |  |                                   |  |  |                          |  |                       |  |
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|                                     | /        |  |                                   |  |  |                          |  |                       |  |
|                                     | /        |  |                                   |  |  |                          |  |                       |  |
| (Assistant Examiner) (Date)         |          | <br>RICHARD L. RAYMOND<br>PRIMARY EXAMINER<br>ART UNIT 1624<br>(Primary Examiner) (Date) 8-26-01 |                                   |  |  | Total Claims Allowed: 8  |  |                       |  |
| (Legal Instruments Examiner) (Date) |          |  |                                   |  |  | O.G. Print Claim(s)<br>1 |  | O.G. Print Fig<br>--- |  |

|   |          |                              |          |                               |          |                                 |          |
|---|----------|------------------------------|----------|-------------------------------|----------|---------------------------------|----------|
| <input checked="" type="checkbox"/> Claims renumbered in the same order as presented by applicant |          | <input type="checkbox"/> CPA |          | <input type="checkbox"/> T.D. |          | <input type="checkbox"/> R.1.47 |          |
| Final   | Original | Final                        | Original | Final                         | Original | Final                           | Original |
|   | 211      |                              | 241      |                               | 271      |                                 | 301      |
|   | 212      |                              | 242      |                               | 272      |                                 | 302      |
|   | 213      |                              | 243      |                               | 273      |                                 | 303      |
|   | 214      |                              | 244      |                               | 274      |                                 | 304      |
|   | 215      |                              | 245      |                               | 275      |                                 | 305      |
|   | 216      |                              | 246      |                               | 276      |                                 | 306      |
|   | 217      |                              | 247      |                               | 277      |                                 | 307      |
|   | 218      |                              | 248      |                               | 278      |                                 | 308      |
|   | 219      |                              | 249      |                               | 279      |                                 | 309      |
|   | 220      |                              | 250      |                               | 280      |                                 | 310      |
|   | 221      |                              | 251      |                               | 281      |                                 | 311      |
|   | 222      |                              | 252      |                               | 282      |                                 | 312      |
|   | 223      |                              | 253      |                               | 283      |                                 | 313      |
|   | 224      |                              | 254      |                               | 284      |                                 | 314      |
|   | 225      |                              | 255      |                               | 285      |                                 | 315      |
|   | 226      |                              | 256      |                               | 286      |                                 | 316      |
|   | 227      |                              | 257      |                               | 287      |                                 | 317      |
|   | 228      |                              | 258      |                               | 288      |                                 | 318      |
|   | 229      |                              | 259      |                               | 289      |                                 | 319      |
|   | 230      |                              | 260      |                               | 290      |                                 | 320      |
|   | 231      |                              | 261      |                               | 291      |                                 | 321      |
|   | 232      |                              | 262      |                               | 292      |                                 | 322      |
|   | 233      |                              | 263      |                               | 293      |                                 | 323      |
|   | 234      |                              | 264      |                               | 294      |                                 | 324      |
|   | 235      |                              | 265      |                               | 295      |                                 | 325      |
|   | 236      |                              | 266      |                               | 296      |                                 | 326      |
|   | 237      |                              | 267      |                               | 297      |                                 | 327      |
|   | 238      |                              | 268      |                               | 298      |                                 | 328      |
|   | 239      |                              | 269      |                               | 299      |                                 | 329      |
|   | 240      |                              | 270      |                               | 300      |                                 | 330      |
|   |          |                              |          |                               |          |                                 | 331      |
|   |          |                              |          |                               |          |                                 | 332      |
|   |          |                              |          |                               |          |                                 | 333      |
|   |          |                              |          |                               |          |                                 | 334      |
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|   |          |                              |          |                               |          |                                 | 336      |
|   |          |                              |          |                               |          |                                 | 337      |
|   |          |                              |          |                               |          |                                 | 338      |
|   |          |                              |          |                               |          |                                 | 339      |
|   |          |                              |          |                               |          |                                 | 340      |
|   |          |                              |          |                               |          |                                 | 341      |
|   |          |                              |          |                               |          |                                 | 342      |
|   |          |                              |          |                               |          |                                 | 343      |
|   |          |                              |          |                               |          |                                 | 344      |
|   |          |                              |          |                               |          |                                 | 345      |
|   |          |                              |          |                               |          |                                 | 346      |
|   |          |                              |          |                               |          |                                 | 347      |
|   |          |                              |          |                               |          |                                 | 348      |
|   |          |                              |          |                               |          |                                 | 349      |
|   |          |                              |          |                               |          |                                 | 350      |
|   |          |                              |          |                               |          |                                 | 351      |
|   |          |                              |          |                               |          |                                 | 352      |
|   |          |                              |          |                               |          |                                 | 353      |
|   |          |                              |          |                               |          |                                 | 354      |
|   |          |                              |          |                               |          |                                 | 355      |
|   |          |                              |          |                               |          |                                 | 356      |
|   |          |                              |          |                               |          |                                 | 357      |
|   |          |                              |          |                               |          |                                 | 358      |
|   |          |                              |          |                               |          |                                 | 359      |
|   |          |                              |          |                               |          |                                 | 360      |
|   |          |                              |          |                               |          |                                 | 361      |
|   |          |                              |          |                               |          |                                 | 362      |
|   |          |                              |          |                               |          |                                 | 363      |
|   |          |                              |          |                               |          |                                 | 364      |
|   |          |                              |          |                               |          |                                 | 365      |
|   |          |                              |          |                               |          |                                 | 366      |
|   |          |                              |          |                               |          |                                 | 367      |
|   |          |                              |          |                               |          |                                 | 368      |
|   |          |                              |          |                               |          |                                 | 369      |
|   |          |                              |          |                               |          |                                 | 370      |
|   |          |                              |          |                               |          |                                 | 371      |
|   |          |                              |          |                               |          |                                 | 372      |
|   |          |                              |          |                               |          |                                 | 373      |
|   |          |                              |          |                               |          |                                 | 374      |
|   |          |                              |          |                               |          |                                 | 375      |
|   |          |                              |          |                               |          |                                 | 376      |
|   |          |                              |          |                               |          |                                 | 377      |
|   |          |                              |          |                               |          |                                 | 378      |
|   |          |                              |          |                               |          |                                 | 379      |
|   |          |                              |          |                               |          |                                 | 380      |
|   |          |                              |          |                               |          |                                 | 381      |
|   |          |                              |          |                               |          |                                 | 382      |
|   |          |                              |          |                               |          |                                 | 383      |
|   |          |                              |          |                               |          |                                 | 384      |
|   |          |                              |          |                               |          |                                 | 385      |
|   |          |                              |          |                               |          |                                 | 386      |
|   |          |                              |          |                               |          |                                 | 387      |
|   |          |                              |          |                               |          |                                 | 388      |
|   |          |                              |          |                               |          |                                 | 389      |
|   |          |                              |          |                               |          |                                 | 390      |
|   |          |                              |          |                               |          |                                 | 391      |
|   |          |                              |          |                               |          |                                 | 392      |
|   |          |                              |          |                               |          |                                 | 393      |
|   |          |                              |          |                               |          |                                 | 394      |
|   |          |                              |          |                               |          |                                 | 395      |
|   |          |                              |          |                               |          |                                 | 396      |
|   |          |                              |          |                               |          |                                 | 397      |
|   |          |                              |          |                               |          |                                 | 398      |
|   |          |                              |          |                               |          |                                 | 399      |
|   |          |                              |          |                               |          |                                 | 400      |
|   |          |                              |          |                               |          |                                 | 401      |
|   |          |                              |          |                               |          |                                 | 402      |
|   |          |                              |          |                               |          |                                 | 403      |
|   |          |                              |          |                               |          |                                 | 404      |
|   |          |                              |          |                               |          |                                 | 405      |
|   |          |                              |          |                               |          |                                 | 406      |
|   |          |                              |          |                               |          |                                 | 407      |
|   |          |                              |          |                               |          |                                 | 408      |
|   |          |                              |          |                               |          |                                 | 409      |
|   |          |                              |          |                               |          |                                 | 410      |
|   |          |                              |          |                               |          |                                 | 411      |
|   |          |                              |          |                               |          |                                 | 412      |
|   |          |                              |          |                               |          |                                 | 413      |
|   |          |                              |          |                               |          |                                 | 414      |
|   |          |                              |          |                               |          |                                 | 415      |
|   |          |                              |          |                               |          |                                 | 416      |
|   |          |                              |          |                               |          |                                 | 417      |
|   |          |                              |          |                               |          |                                 | 418      |
|   |          |                              |          |                               |          |                                 | 419      |
|   |          |                              |          |                               |          |                                 | 420      |